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U.S. PTO

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Attorney Docket No. 1546.133US02

15364 U.S. PTO
10/827109
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APPLICATION TRANSMITTAL

Mail Stop Patent Application
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the patent application of

INVENTOR(S): John C. Knopp,
 FOR: METHODS FOR DETECTING SURGE IN CENTRIFUGAL COMPRESSORS

Enclosed are:

- Specification and Abstract - nineteen (19) pages.
- Drawings - three (3) sheets (Figs. 1-3).
- Combined Declaration and Power of Attorney.
- Information Disclosure Statement.
- CD-ROM or CD-R in duplicate, and Compact Disc Transmittal.
- Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i) (nonpublication).
- _____.

The filing fee has been calculated as shown below:

	No. Filed	No. Extra	Small Entity Rate	OR	Large Entity Rate
Basic Fee			\$385	OR	\$770
Total Claims	31- 20	= 11	x 9 = \$	OR	x 18 = \$198
Independent Claims	8- 3	= 5	x 43 = \$	OR	x 86 = \$430
Presence of Multiple Dependent Claim			+ 145	OR	+ 290
		TOTAL	\$	TOTAL	\$1398.00

**If the difference is less than zero, enter "0"

- Applicant(s) is/are entitled to small entity status in accordance with 37 CFR 1.27.
- A check in the amount of \$ -0- to cover the filing fee is attached. The Commissioner is hereby authorized to grant any extensions of time and to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 that may be required during the entire pendency of this application to Deposit Account No. 16-0631.

[X] This application claims the benefit of U.S. Provisional Application No. 60/463,644, filed April 17, 2003.

Respectfully submitted,



Brad Pedersen
Registration No. 32,432

CERTIFICATE OF EXPRESS MAIL

“Express Mail” mailing label number EV433103644US. Date of Deposit: April 19, 2004. I hereby certify that this paper is being deposited with the United States Postal Service “Express Mail Post Office to Addressee” service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Mai Lee Vang
Name of Person Making Deposit



Signature